

## ABSTRACT

Based on a recording signal, a recording pulse signal, which includes a top pulse located at a front end portion and having a first magnitude, a last pulse located at a back end portion and having the first magnitude, and an intermediate bias portion located between the top pulse and the last pulse and having a second magnitude, is generated. Based on the recording pulse signal, a light source is controlled, and a laser pulse is irradiated on a recording medium.

10 Thereby, recording marks corresponding to the recording signal are formed on the recording medium. In the generating process of the recording pulse signal, when the recording medium is rotationally driven at a second rotation speed, a position of the top pulse is shifted ahead of a position of the top pulse in a

15 case that the recording medium is rotationally driven at the first rotation speed, when the recording medium is rotationally driven at the second control speed. Thereby, it is possible to form appropriate shapes of recording marks even in high-speed recording.